

Permit #: 20043

Date Issued: 8-2-90

County: Bates

Date Cancelled: \_\_\_\_\_

CONFIDENTIAL UNTIL: \_\_\_\_\_

Date Plugged: 8-2-91

COMMENTS:

conversion  
to water well

OCC FORMS	Date Received
1	
2	
3	7-24-90
3i	
4	
4i	
5	
6	8-14-91
7	8-14-91
8	8-14-91
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip		
	core		
Analyses	water		
	core		
Additional Submitted Data:			



## MISSOURI DEPARTMENT OF NATURAL RESOURCES

## MISSOURI OIL AND GAS COUNCIL

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FORM OGC-3

<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> FOR AN OIL WELL		<input checked="" type="checkbox"/> OR GAS WELL	
NAME OF COMPANY OR OPERATOR Pense Brothers Drilling Co., Inc., a Missouri corporation				DATE 7/20/90			
ADDRESS 800 Newberry Street P. O. Box 551		CITY Fredericktown		STATE MO		ZIP CODE 63645	
<b>DESCRIPTION OF WELL AND LEASE</b>							
NAME OF LEASE Franklin Tracy Rugg, et ux		WELL NUMBER 1		ELEVATION (GROUND) 890'			
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE) 2480 FT. FROM (S) SECTION LINE 1470 FEET FROM (E) SECTION LINE							
WELL LOCATION NE/4 NW/4 SE/4		SECTION 9		TOWNSHIP 41 N		RANGE 32 W	
				COUNTY Bates			
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 1170 FEET							
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE N/A FEET							
PROPOSED DEPTH 450'		DRILLING CONTRACTOR, NAME AND ADDRESS Pense Brothers Drilling Co., Inc.		ROTARY OR CABLE TOOLS Rotary (Air)		APPROX. DATE WORK WILL START 8/05/90 or on permit	
NUMBER OF ACRES IN LEASE 440		NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 1					
		NUMBER OF ABANDONED WELLS ON LEASE 0					
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?				NO. OF WELLS: PRODUCING 0			
NAME				INJECTION 0			
ADDRESS N/A				INACTIVE 0			
				ABANDONED 0			
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 20,000.00		<input checked="" type="checkbox"/> ON FILE	
						<input type="checkbox"/> ATTACHED	
REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)							
<b>RECEIVED</b>							
<b>PROPOSED CASING PROGRAM</b>				<b>APPROVED CASING — TO BE FILLED IN BY STATE GEOLOGIST</b>			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
50'	7"	19 lbs	to surf	50'	7"	19 lbs	to surf
TD to surf	4 1/2"	9 lbs	to surf	TD To Surface	4 1/2"		to surf
				JUL 24 1990 MO Oil & Gas Council Economic Geology			
I, the undersigned, state that I am the Assistant Vice President of the Pense Bros. Drg. Co., Inc., (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.							
SIGNATURE B. E. Blancett				DATE 7/20/90			
PERMIT NUMBER #20048				<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED			
APPROVAL DATE 8/2/90				<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN			
APPROVED BY James H. Williams				<input type="checkbox"/> SAMPLES REQUIRED			
				<input checked="" type="checkbox"/> SAMPLES NOT REQUIRED			
				<input type="checkbox"/> WATER SAMPLES REQUIRED AT			
<b>NOTE</b> ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION							
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.							
I _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.							
DRILLER'S SIGNATURE				DATE			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**NOTICE OF INTENTION TO ABANDON WELL**

FORM OGC-6

NAME OF LEASE <i>FRANKLIN TRACY RUGG, ET. UX.</i>			DATE <i>8/02/91</i>	
WELL NUMBER <i>#1</i>	LOCATION <i>2480</i> FEET FROM <del>30</del> (S) SECTION LINE AND <i>1470</i> FEET FROM (E) <del>30</del> SECTION LINE OF			
SECTION <i>9</i>	TOWNSHIP <i>41 N</i>	RANGE <i>32 W</i>	COUNTY <i>BATES</i>	
THE ELEVATION OF THE GROUND AT WELL SITE IS <i>890</i> FEET ABOVE SEA LEVEL.		PERMIT NUMBER (OGC-3 OR OGC-2 NUMBER) <i>20043</i>		
NAME OF CONTRACTOR OR COMPANY THAT WILL DO WORK IS: <i>COMPANY TOOLS - PENSE BROTHERS DRILLING CO., INC.</i>				
ADDRESS <i>Box 551</i>		CITY <i>FREDERICKTOWN</i>	STATE <i>MO</i>	ZIP CODE <i>63645</i>
DETAILS OF WORK (INDICATE SIZE, KIND, AND DEPTH OF PLUGS, WHERE CASING WILL BE PULLED, OTHER PERTINENT DETAILS) <i>51' 07" OF 7" - 19 LB. SURFACE CASING CEMENTED TO SURFACE, (LEFT IN) SLIGHT OIL &amp; GAS SHOWS - BOTH TOO SMALL TO MEASURE. APPROXIMATELY 25 BBL'S. WATER DAILY ESTIMATED. LANDOWNER DESIRES WELL FOR WATER PURPOSES. 7" TO 2" SWEDGE WITH 2" BALL VALVE ATTACHED TO 7" CASING APPROX. 6" ABOVE GROUND LEVEL WITH 3' x 3' CONCRETE APRON AROUND 7" CASING AT GROUND LEVEL PIT FILLED TO SURFACE LEVEL WITH TOPSOIL. SAMPLES NOT REQUIRED BY PERMIT BUT COMPANY HAS 5' CONTINUOUS SAMPLES FROM SURFACE TO TOTAL DEPTH OF 425'</i>				
<div>RECEIVED AUG 14 1991 MO Oil &amp; Gas Council</div>				
CERTIFICATE: I, the undersigned, state that I am the <i>ASST. V. P.</i> of the <i>PENSE BROS. DRG. CO., INC.</i> (company), and that I am authorized to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.				
SIGNATURE <i>B. E. Blancett</i> <i>B. E. BLANCETT, ASST. V. P.</i>			DATE <i>8/02/91</i>	



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**PLUGGING RECORD**

FORM OGC-7

OWNER <b>PENSE BROTHERS DRILLING CO., INC.</b>		ADDRESS <b>Box 551, FREDERICKTOWN, MD 63645</b>	
NAME OF LEASE <b>FRANKLIN TRACY RUGG, ET. UX.</b>		WELL NUMBER <b>#1</b>	PERMIT NUMBER (OGC-3 OR OGC-4 NUMBER) <b>20043</b>
LOCATION OF WELL <b>NE/4 NW/4 SE/4 SECTION 9, 41 N, 32 W,</b>		SEC-TWP-RNG OR BLOCK & SURVEY	COUNTY <b>BATES</b>
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: <b>ABOVE NAMED OWNER</b>		HAS THIS WELL EVER PRODUCED OIL OR GAS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBLS/DAY) <b>NIL</b> GAS (MCF/DAY) <b>NIL</b> DRY? <b>DRY</b>
DATE ABANDONED <b>8/02/91</b>	TOTAL DEPTH <b>425'</b>	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBLS/DAY) <b>NIL</b> GAS (MCF/DAY) <b>NIL</b>	WATER (BBLS/DAY) <b>72</b>
Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment.		Fluid content of each formation	Depth interval of each formation
<b>NIL</b>		<b>WATER</b>	<b>OPEN HOLE</b>
<b>Pennsylvania in</b>		<b>WITH SLIGHT SHOW</b>	<b>51'07" THRU</b>
<b>51'07" THRU 425'</b>		<b>GAS - TOO SMALL TO MEASURE - SLIGHT OIL</b>	<b>425'</b>
		<b>SHOW DOES NOT ENTER HOLE</b>	
SIZE PIPE	PUT IN WELL (FT)	PULLED OUT (FT)	LEFT IN WELL (FT)
<b>7"</b>	<b>51'07"</b>	<b>NIL</b>	<b>51'07"</b>
		GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.) <b>CEMENTED TO SURFACE</b>	
		PACKERS AND SHOES <b>NIL</b>	
WAS WELL FILLED WITH MUD-LADEN FLUID? <b>NO</b>		INDICATE DEEPEST FORMATION CONTAINING FRESH WATER <b>WATER TABLE 300' THRU 307'</b>	
LANDOWNER WANTS WELL FOR WATER			
NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE			
NAME		ADDRESS	
OPERATOR ONLY		<b>63645</b>	
FRANKLIN TRACY RUGG		<b>Box 551, FREDERICKTOWN, MD</b>	
FARMHOUSE		<b>RT. 3, Box 196, ADRIAN, MD 64720</b>	
		<b>1/2 MILE NORTHEAST</b>	
METHOD OF DISPOSAL OF MUD PIT CONTENTS		DRILLED WITH ROTARY AIR RIG - CUTTINGS ONLY IN PIT - OVERFILLED TO SURFACE LEVEL WITH TOPSOIL	
NOTE FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)			
CERTIFICATE I, the undersigned, state that I am the <b>ASST. V. P.</b> of the <b>PENSE BROS. DRG. CO., INC.</b> (Company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.			
SIGNATURE <b>B. E. Blaneett</b> <b>B. E. BLANCETT, ASST. V. P.</b>		DATE <b>8/02/91</b>	



RUGG NO. 1 WELL, PERMIT NO. 20043  
NE 1/4 CW 1/4 SE 1/4 Sec. 9, 41N-32W, BATES CO., MO  
ELEVATION: 890' (TOPO) PENSE BROS. DRG. CO., INC.

PREPARED BY BSB  
DATE 8/30/90

0-5	1	TOPSOIL 0' TO 2', BROWN CLAY LOAM, 2-5, SLIGHT SHALE
	2	STREAK, TAN CLAY TO BASH
5-20	3	CLAY, SANDY, GREY TO LIGHT BROWN AT BASE
20-25	4	LIMESTONE, DENSE, CREAM TO TAN
25-50	5	SHALE, GREY WITH DARK GREY STRIATIONS
50-95	6	SHALE, GREENISH-GREY, SOFT, SILTY.
95-100	7	SANDSTONE, IMBEDDED QUARTZ, GREY TO WHITE, FINE GRAINED.
	8	SLIGHTLY CALCITIC.
100-105	9	LIMESTONE, DENSE, TAN TO LIGHT BROWN
105-128	10	SHALE, GREY TO LIGHT GREY, CALCAREOUS, LIMESTONE @ BASE
128-140	11	LIMESTONE, SOME ODOLITIC, WHITE TO BUFF, 15% FAIR, DULL
	12	TO BRIGHT FLUORESCENCE, SLIGHT OIL CUT.
140-155	13	SHALE, DENSE TO SOFT, GREY TO DARK GREY
155-160	14	LIMESTONE, DENSE, GREY TO DARK GREY, SHALY
160-185	15	SHALE, DARK GREY TO BLACK, DENSE, TO SOFT & GREY AT BASE
185-202	16	LIMESTONE, DENSE TO PIN POINT POROSITY, WHITE TO BUFF,
	17	20% DULL TO BRIGHT FLUORESCENCE, SLIGHT OIL CUT
202-225	18	SHALE, SOFT, LIGHT GREY TO GREY TO SILTSTONE, SHALY,
	19	DENSE TO SILTY.
225-235	20	SANDSTONE, FINE GRAINED, PIN POINT POROSITY, BLEEDING
	21	OIL, 60% DULL FLUORESCENCE, CALCITIC, SLIGHT OIL CUT.
235-245	22	SILTSTONE, SHALY, LIGHT GREY
245-250	23	SANDSTONE, FINE GRAINED, DENSE, LIGHT GREY
250-300	24	SHALE, SANDY TO SILTY, GREY TO DARK GREY
300-307	25	SANDSTONE, TRACE PYRITE, FINE TO MEDIUM GRAINED, ANGULAR
	26	TO SUBROUNDED, SLIGHTLY CALCITIC, WHITE TO GREY, FAIR
	27	FLUORESCENCE, SLIGHT TO FAIR OIL CUT, SOME RESIDUAL OIL STAINING
307-310	28	SHALE TO SILTSTONE, GREY TO LIMESTONE AT BASE

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# RUGG NO. 1 WELL, CONT'D

310-320<sup>1</sup> LIMESTONE, DENSE, WHITE TO BUFF TO LIGHT GREY

320-349<sup>2</sup> SHALE, GREY TO DARK GREY - COAL STRIATIONS

349-350<sup>3</sup> LIMESTONE, BUFF TO GREY, DENSE

350-400<sup>4</sup> SHALE, GREY TO DARK GREY, DENSE TO SOFT.

400-425<sup>5</sup> SHALE, DARK GREY TO BLACK

TD-425'



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**WELL CONVERSION AGREEMENT**

FORM OGC-8

This agreement is made this 2<sup>ND</sup> day of AUGUST, 19 91, between  
PENSE BROTHERS DRILLING CO, INC. of Box 551, FREDERICKTOWN, MO 63645,  
owner of the following described well or test hole, hereinafter called "operator," and  
FRANKLIN TRACY RUGG of RT. 3, BOX 196, ADRIAN, MO 64720,  
owner of surface rights to the land on which the following described well or test hole is situated,  
hereinafter called "landowner."

WHEREAS operator has drilled or has caused to be drilled a test well for oil and gas, or has  
operated a producing well, which well is known as RUGG #1 and is  
located NE/4 NW/4 SE/4 SECTION 9, 41N, 32W, PERMIT # 20043,  
BATES County, Missouri;

WHEREAS operator desires to plug and abandon said well or test hole in a manner approved  
by the Missouri Oil and Gas Council;

WHEREAS landowner desires to employ said well or test hole as a source of potable water for  
the beneficial use of himself or himself and others;

NOW THEREFORE, it is agreed that operator shall plug the hole in accordance with the rules,  
regulations and instructions of the Missouri Oil and Gas Council except that no plug shall be  
set at the surface in said well or test hole nor shall surface pipe be cut off below plow depth,  
thus facilitating the use of the well or test hole as a water source well.

Landowner hereby acknowledges that the operator will be released by the Missouri Oil and Gas  
Council from future liability for further plugging which may be required by the Council and accepts  
full responsibility for the operation of the well or test hole as a water well and for the proper  
plugging and abandonment thereof when its use for this purpose has ended.

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WITNESS SIGNATURE <u>Betty Jo Rugg</u>	DATE <u>8/02/91</u>	OPERATOR SIGNATURE <u>PENSE BROTHERS DRILLING CO, INC.</u> <u>BY: B. E. Blawie, ASST. V. P.</u>	DATE <u>8/02/91</u>
WITNESS SIGNATURE <u>Betty Jo Rugg</u>	DATE <u>8/02/91</u>	LANDOWNER SIGNATURE <u>Franklin Tracy Rugg</u> <u>FRANKLIN TRACY RUGG</u>	DATE <u>8/02/91</u>

8/02/91

IN DUPLICATE:

OGC-6

OGC-7

OGC-8

LITHOLOGY LOG 0' THRU 425'

THE ABOVE ENCLOSURES REGARDING THE RUGG #1 WELL,  
PERMIT # 20043, ARE ENCLOSED FOR YOUR EXAMINATION  
AND APPROVAL AND FOR APPROVAL OF WELL CONVERSION  
AGREEMENT IN FAVOR OF FRANKLIN TRACY RUGG,  
THE OWNER OF BOTH THE SURFACE AND MINERAL  
OF THE LAND DESCRIBED WITHIN PERMIT # 20043.

THANKS!

Glenn Brothers Shelling Co. Inc.  
By: B. E. Blumett, Asst. V. P.

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3200 Ac  
3125 Ac(2)



1" = 400'  
T41N R32W

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Economic Geology

#20043

PROPOSED WELL

F.T. RUGG

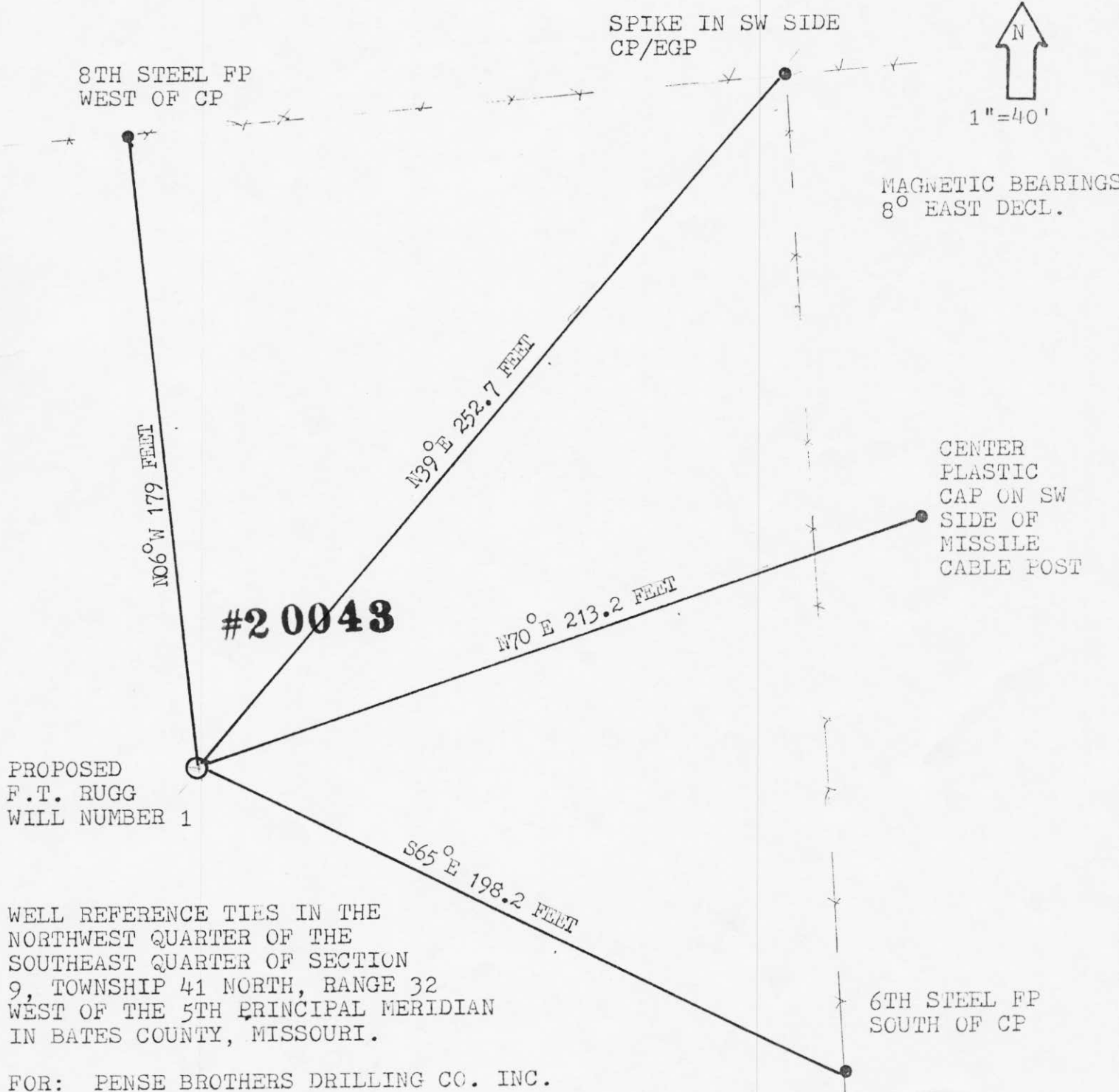
WELL LOCATION MAP - BATES COUNTY TAX MAP  
65-07-2

PROPOSED F.T. RUGG WELL NO. 1 IN THE NORTHWEST  
QUARTER OF THE SOUTHEAST QUARTER OF SECTION 9,  
TOWNSHIP 41 NORTH, RANGE 32 WEST OF THE 5TH  
PRINCIPAL MERIDIAN IN BATES COUNTY, MISSOURI.

WILLIAM C. LETHCHO LS-1539  
BATES COUNTY SURVEYOR

SHEET 1 OF 2

W. C. LETHCHO  
COUNTY ENGINEER & SURVEYOR  
Bates County Court House  
BUTLER, MO. 64730  
Phone 679-4031



WELL REFERENCE TIES IN THE  
NORTHWEST QUARTER OF THE  
SOUTHEAST QUARTER OF SECTION  
9, TOWNSHIP 41 NORTH, RANGE 32  
WEST OF THE 5TH PRINCIPAL MERIDIAN  
IN BATES COUNTY, MISSOURI.

FOR: PENSE BROTHERS DRILLING CO. INC.

SHEET 2 OF 2

WILLIAM C. LETHCHO LS-1539

THIS IS TO CERTIFY THE REFERENCE TIES SHOWN ON THIS SKETCH ARE IN  
ACCORDANCE WITH THE DNR CURRENT MINIMUM STANDARDS FOR PROPERTY  
BOUNDARY SURVEYS 10 CSR 30-2.010

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